SWP Water Quality Summary

June 13 to July 11, 2007

Total Dissolved Solids: This month's data show TDS increasing at all stations except at Check 29 and Barker Slough where they ranged from 142 to 262 mg/L. TDS at all locations remained below the Article 19 Monthly Average Objective of 440 mg/L. The highest concentration of 262 mg/L occurred at Banks Pumping Plant (BPP) while the lowest concentration of 142 mg/L occurred at Check 29 on June 13, 2007. Concentrations increased from 190 to 262 mg/L this month at BPP.

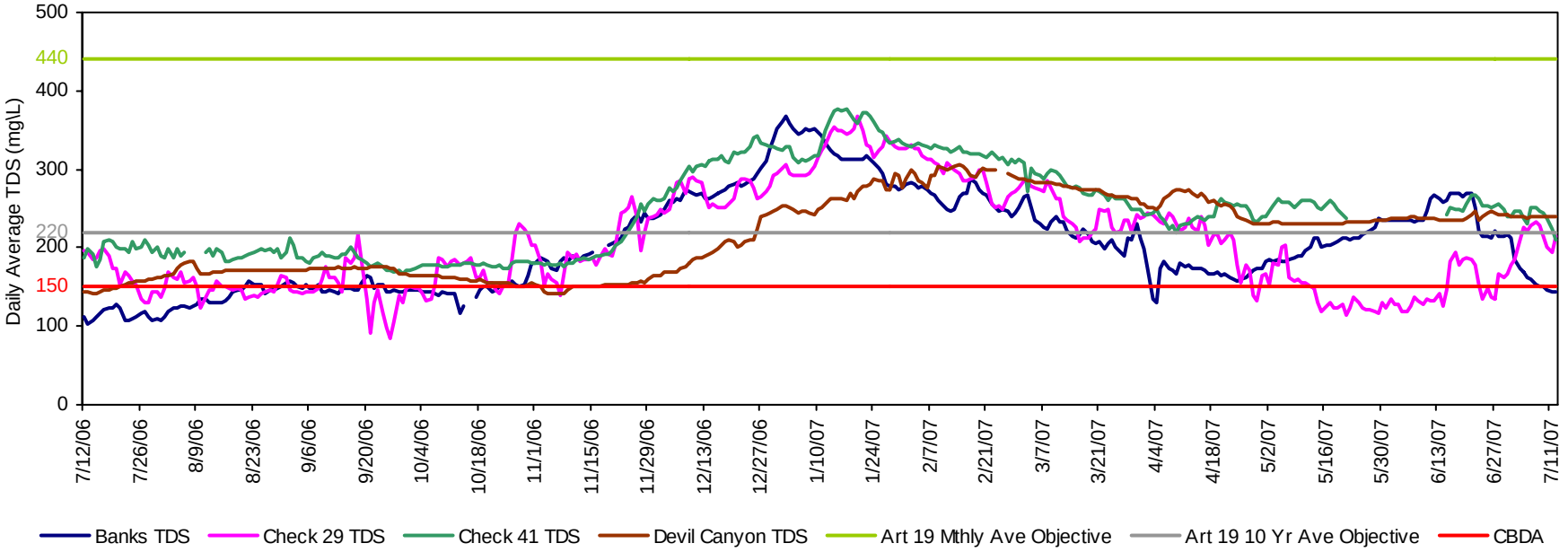
Bromide: Concentrations exceeded the CBDA Objective of 0.05 mg/L at all locations ranging from 0.07 to 0.21 mg/L. Check 29 had the lowest concentration of 0.07 mg/L, followed by Barker Slough with 0.08 mg/L while the highest concentration of 0.21 mg/L occurred at BPP. The concentration at BPP increased from 0.12 to 0.21 mg/L as of June 13, 2007.

Turbidity: Turbidity levels this month ranged from 1 to 79 NTU. The greatest increase of 3 NTU occurred at Check 29 on June 13, 2007. The lowest concentration of 1 NTU occurred at Devil Canyon while the highest concentration of 79 NTU occurred at Barker Slough. Turbidity at BPP peaked at 42 NTU on May 13, 2007 but later leveled off and ended at 7 NTU on June 13, 2007. Barker Slough is back on line with a peak of 115 NTU on June 7, 2007 but later dropped off and ended at 79 NTU on June 13, 2007.

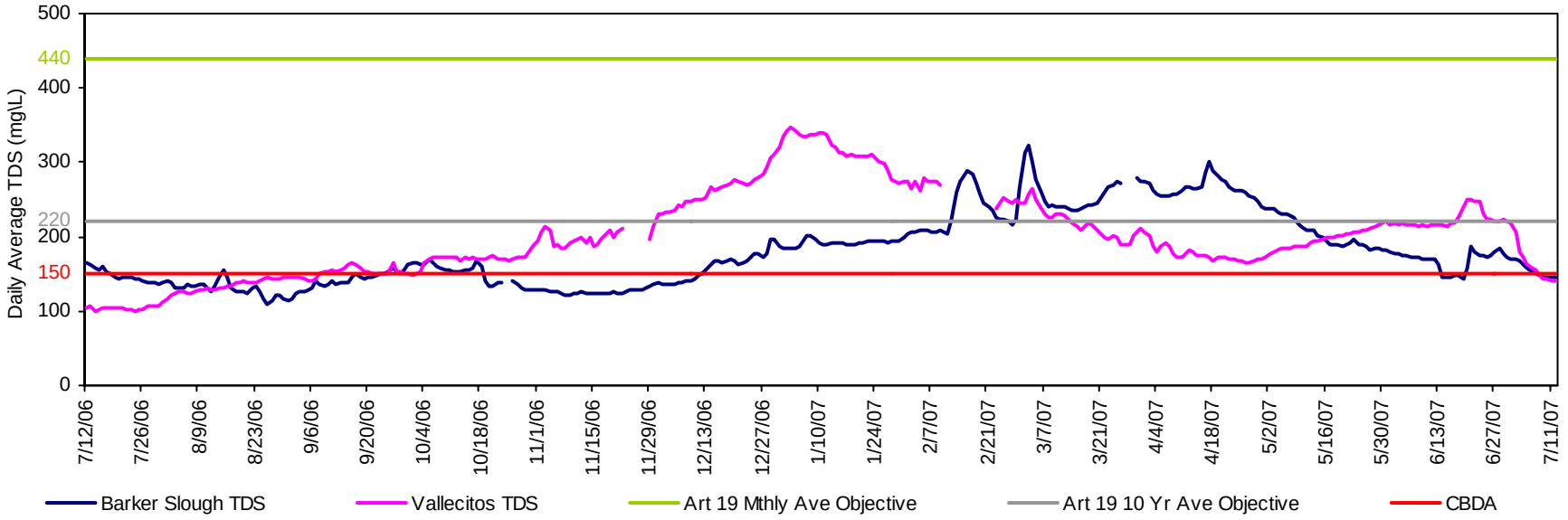
Dissolved Organic Carbon: Concentrations at Check 13 and Edmonston were 1.9 and 2.3 mg/L, respectively, below the CALFED TOC Objective of 3.0 mg/L. Concentrations at BPP has been increasing slowly, from 3.4 to 4.1 mg/L in May 9, then topped off and ended at 4.9 mg/L on June 13, 2007.

Taste and Odor Compounds: MIB and geosmin were generally moderate to low project wide, from May to present with values ranging from non-detect to 14 ng/L at Clifton Court Inlet, BPP, Checks 13, 41 and 66, Del Valle Check 7, Pacheco Pumping Plant, Lake Perris and Silverwood Lake. The only exception was at Castaic Lake, where geosmin concentration was 30 ng/L on June 4, 2007.

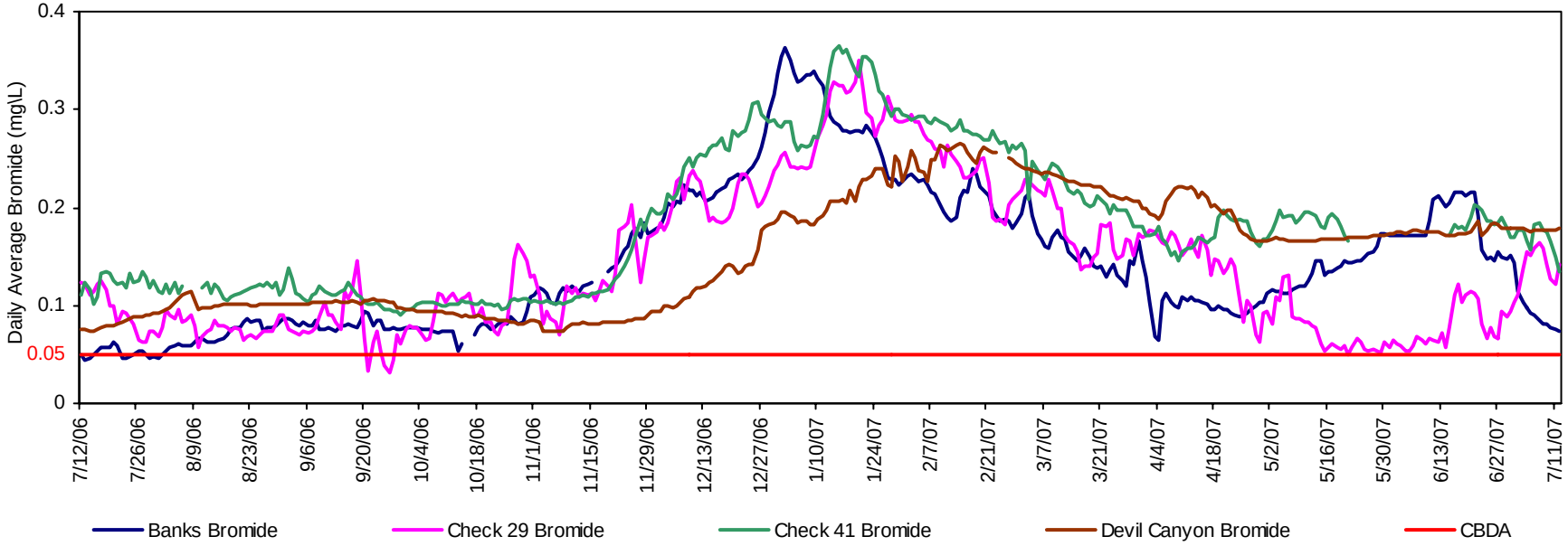
California Aqueduct - Calculated Total Dissolved Solids



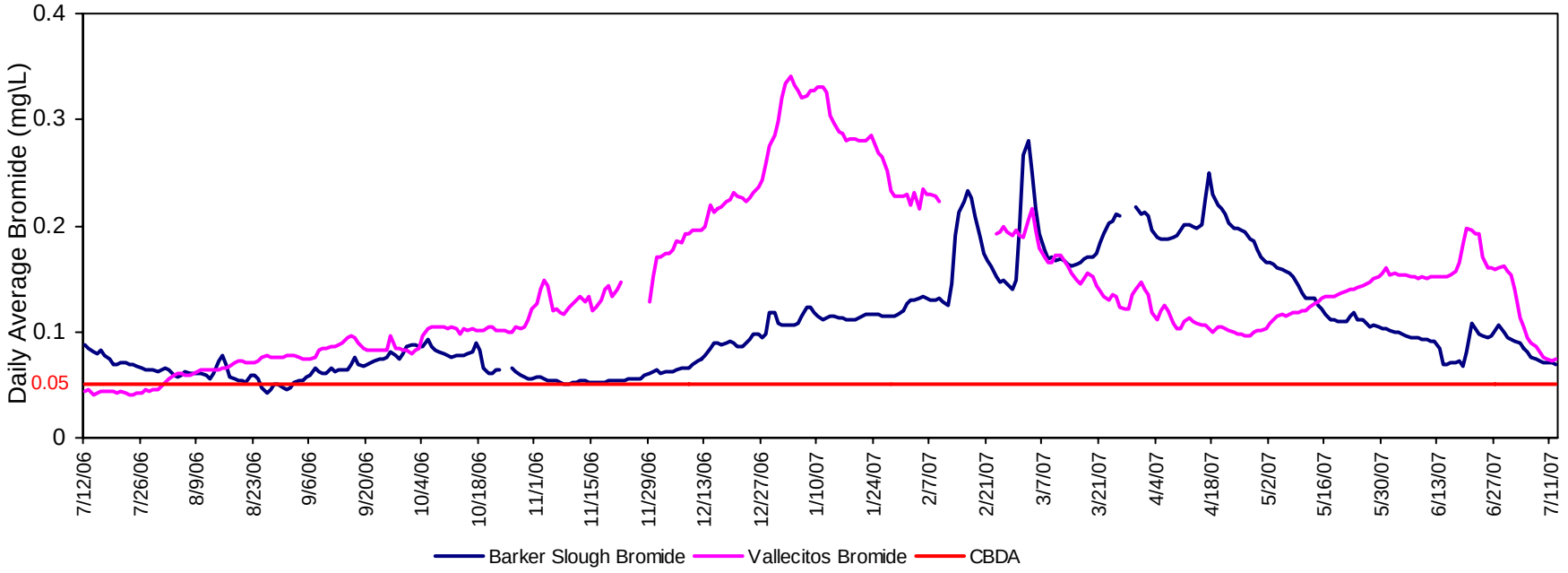
North and South Bay Aqueduct - Calculated Total Dissolved Solids



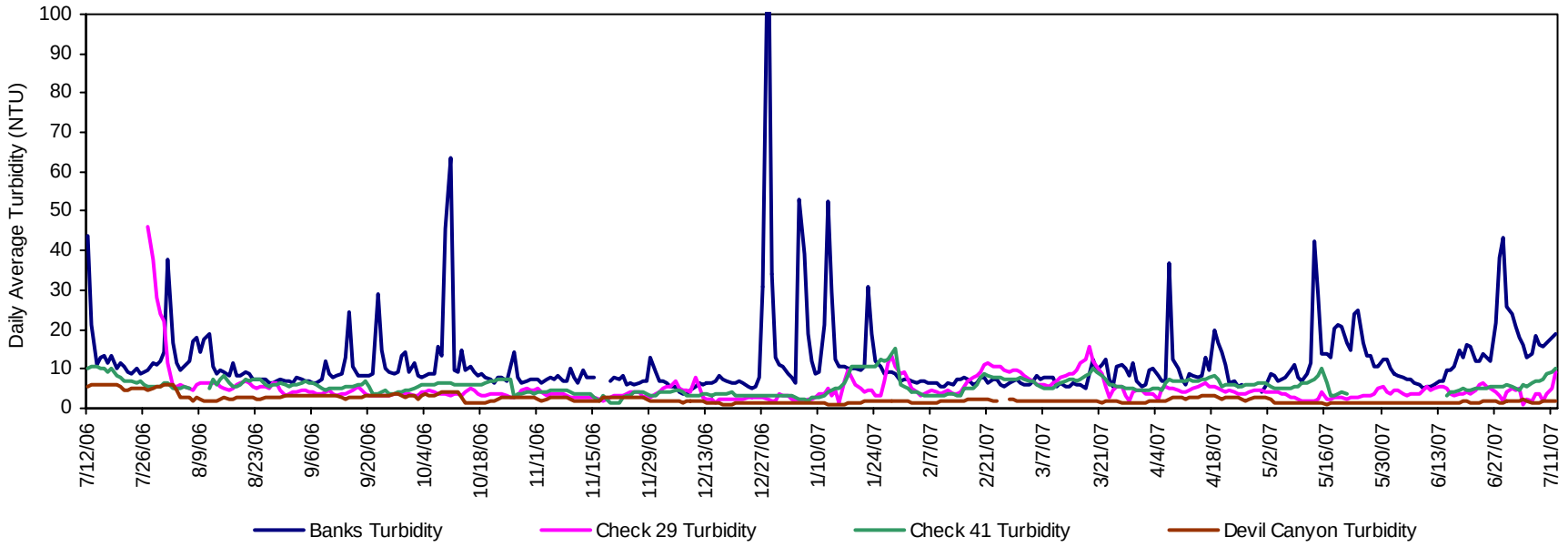
California Aqueduct - Calculated Bromide



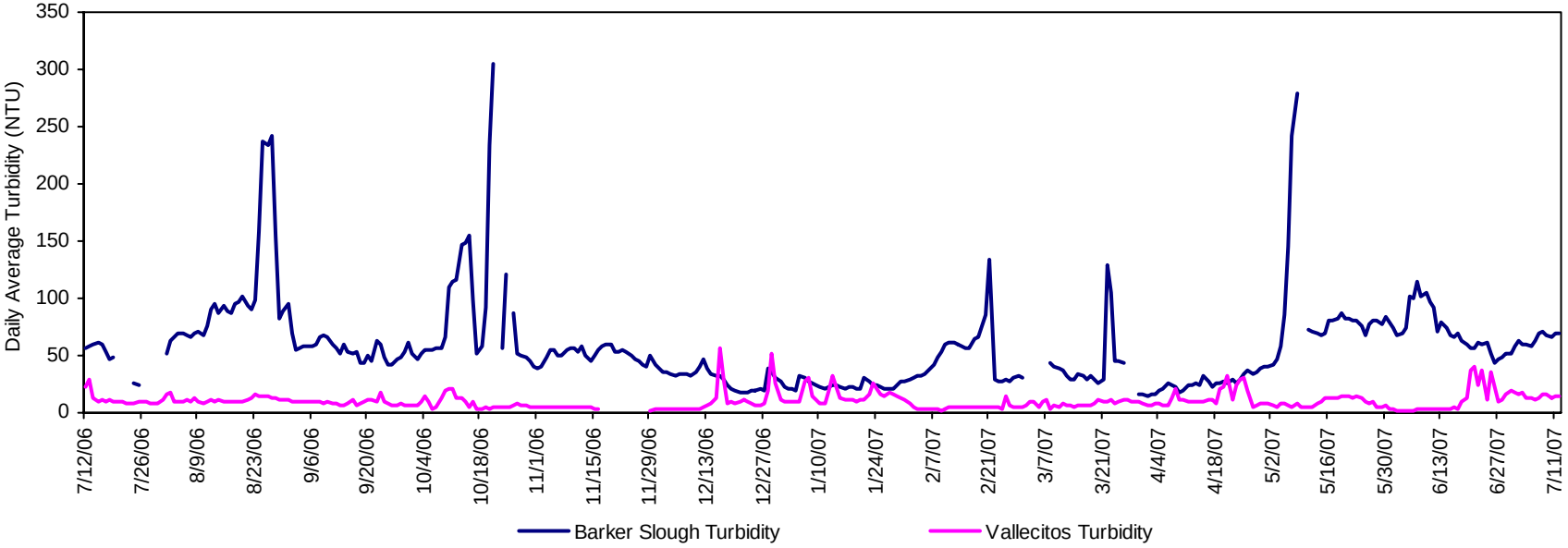
North and South Bay Aqueduct - Calculated Bromide

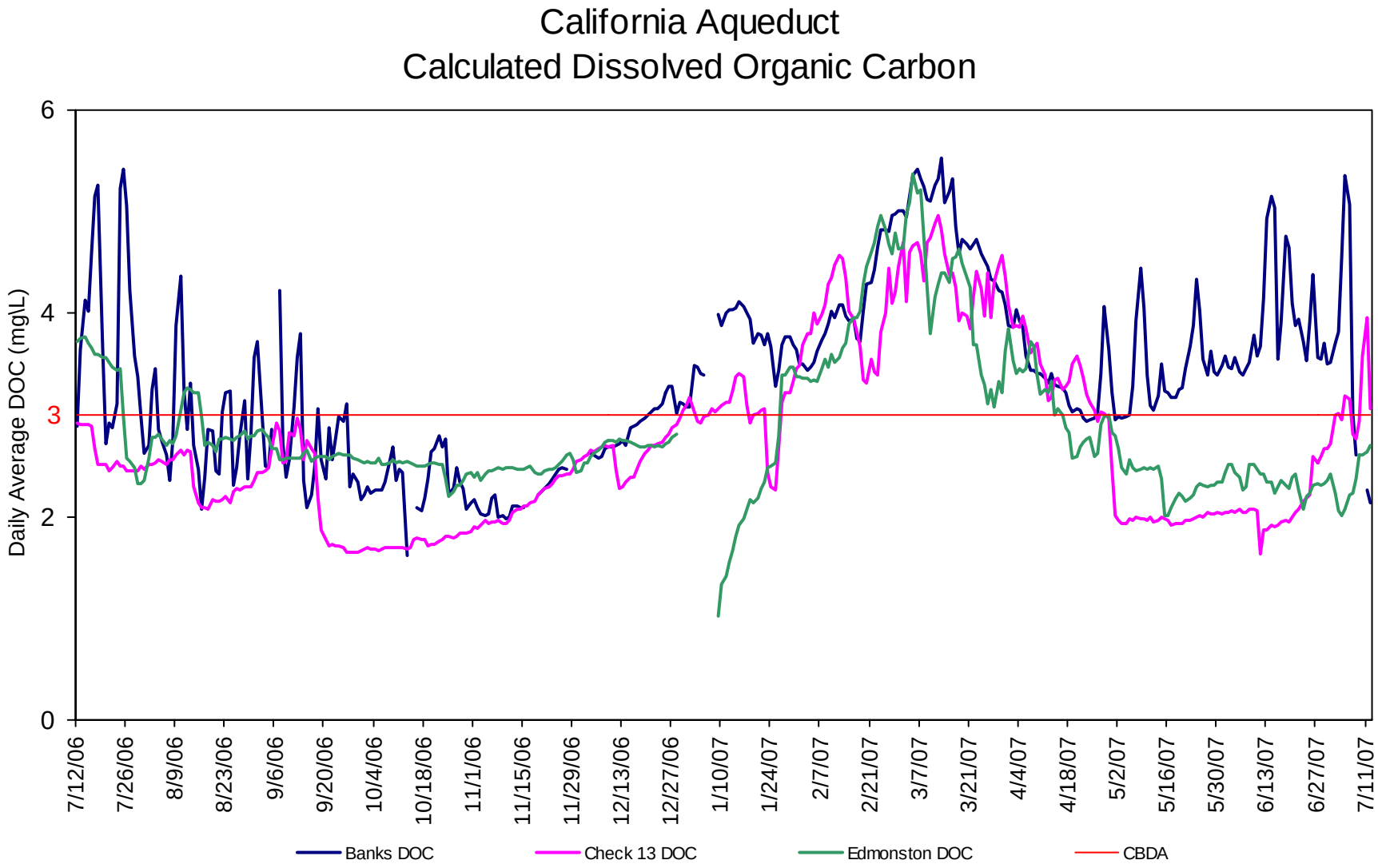


California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity




California Aqueduct
Calculated Dissolved Organic Carbon
Daily Average DOC (mg\L)
6
4
3
2
0
7/12/06
7/26/06
8/9/06
8/23/06
9/6/06
9/20/06
10/4/06
10/18/06
11/1/06
11/15/06
11/29/06
12/13/06
12/27/06
1/10/07
1/24/07
2/7/07
2/21/07
3/7/07
3/21/07
4/4/07
4/18/07
5/2/07
5/16/07
5/30/07
6/13/07
6/27/07
7/11/07
Banks DOC
Check 13 DOC
Edmonston DOC
CBDA